

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2004/000858

A. CLASSIFICATION OF SUBJECT MATTER Int. Cl. ⁷ : G10H 3/18 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) USPTO, esp@cenet, DWPI: G10H001/--, G10H003/--, sensor+, transduc+, (pickup, pick up, pick-up), microphone, (preamp+, pre amp+, pre-amp+), mix+, blend+, combin+, equali+, filter+, (highpass, high pass, high-pass), (lowpass, low pass, low-pass)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US-6111186-A (Krozack et al.) 29 August 2000 See whole document	1 to 3, 5, 13, 15
X Y	US-5817966-A (Fishman) 6 October 1998 See column 12, lines 33 to 48 and Figure 21.	1 to 4, 15 16, 17, 18
P, Y	US-6627808-B1 (Coats et al.) 30 September 2003 See whole document Combined with US-5817966-A	16, 18
Y	US-4501186-A (Ikuma) 26 February 1985 See whole document and particularly Figures 6 and 7 Combined with US-5817966-A	16, 17
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family	
Date of the actual completion of the international search 27 July 2004		Date of mailing of the international search report - 4 AUG 2004
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929		Authorized officer John W. Thomson Telephone No. (02) 6283 2214

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US-4913024-A (Carriveau) 3 April 1990 See whole document	
A	US-5723804-A (Replogle) 3 March 1998 See whole document	
A	Non-patent literature: B-Band web site http://www.b-band.com/product_a4.2.shtml & http://web.archive.org/web/20030701152423/www.b-band.com/product_a4.shtml , 24 June 2003	

INTERNATIONAL SEARCH REPORT

Information on patent family members

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
US	6111186	TW	442771	WO	0003384
US	5817966	JP	62262097	US	4727634
		US	4944209	US	5029375
		US	5189771	US	5319153
		US	5670733		
US	4501186	JP	58195297	JP	58195298
US	4913024				
US	5723804	DE	19730251	JP	10091155
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.					
END OF ANNEX					